



## SPECIFICATION

[Electronic Version 1.2.8]

**Title of Invention: Harrison Free Standing Towers And Missile Defense System.**

**Detailed Description: Free Standing Towers, that support and contain anti-missile defense radar, communications systems and defensive weapons to protect the USA and it's Allies against enemy cruise missiles, ICBMs and manned or unmanned aircraft. (Note: Free Standing Towers do not require cables extending outward from the towers that are connected to ground anchors or other support for stability and support, as all high towers do today). Also this invention provides border defense for the USA and USA Allies. Defensive weapons would include, but not be limited to, anti-missile missiles, USA defensive aircraft, Directed Energy Weapons such as (but would not be limited to) HEL (High Energy Laser) weapons and HECW (High Energy Carrier Wave) weapons. The system described above would provide the lowest cost option for positioning defensive systems where look-down surveillance, look over-the-natural-horizon surveillance, look-up surveillance and high electric power requirements are a major consideration. The design technique would include:**

**1. The use of large gyroscopes to provide tower stability. Our search of the literature and the Internet (See our list of References as listed in Attachments: Attachment A) indicates no claims for the use if gyroscopes to stabilize unsupported radar towers, or communication towers. Thus, this application is not included in the public domain.**

2. According to our professional experience and calculations, these gyroscopes will be firmly secured to the towers every 100 feet, the gyroscopes axis of rotation will be the same as the tower vertical center line, the gyroscopes will weigh some 10,000 lbs, (with most gyroscope weight concentrated at the perimeter of the gyroscope) and the gyroscopes shall be rotating at 15,000 RPM.

3. The tower vertical structural supports shall be round in cross section, will be made of a clear material (such as Lucite) and will contain photo-electric panels to generate electric power.

4. The towers shall have wind power electric power generators attached as often as is practical . Our plan is to attach such wind power generators every 50 feet of tower height.

5. Radar antenna shall be attached at the top of the towers, and every 1000 feet of tower height. The antenna shall be protected via an air-supported cable reinforced structure, similar to those shown in pictures on [www.HAIholdings.com](http://www.HAIholdings.com), (located on the Architectural & Engineering Page of the Website).

6. An elevator shall be attached to each tower to enable access to the radar antenna, radar equipment and other servicing as needed.

#### Claims:

1. The use of large gyroscopes to stabilize Radar Towers, Communication Towers and towers designed for defense from cruise missiles, ICBMs,